

807.04.07 Service lateral cable will be measured and paid for as specified in 810.04.

807.04.08 Concrete foundation will be measured and paid for as specified in 801.04.

807.04.09 Utility connection coordination with the utility company will not be measured, but the cost will be incidental to other pertinent items.

807.04.10 All utility company energization, connection or disconnection costs will be the responsibility of the Administration.

SECTION 808 — LIGHTING STRUCTURES

808.01 DESCRIPTION. This work shall consist of furnishing and installing low level steel and aluminum lighting poles, bracket arms and fittings, as specified in the Contract Documents or as directed by the Engineer. Concrete foundations are excluded.

808.02 MATERIALS.

Cast Iron	909.04
Hardware	909.10
Conduit	921.07
Lighting Structures	950.07
Galvanization	A 123
Stainless Steel Hardware	A 167, Type 302
Aluminum Castings	B 26 or B 108, alloy 356-T6
Anchor Base Plate for Aluminum Structures	B 209, 6000 series alloy

808.03 CONSTRUCTION. Refer to Section 801 for concrete foundations.

All fabrication and welding shall conform to Section 430. After forming and welding, the pole shall have a smooth finish with only one longitudinal and no transverse welds. When fully assembled, each lighting structure shall be installed so that the pole is vertical.

All welding for aluminum poles shall be metallic arc consumable electrode inert gas shielded process. After welding, the entire assembly shall be precipitation heat treated to the T-6 temper by an approved method and rotary sand finished.

All aluminum poles shall be furnished with internal vibration dampening devices.

Bracket Arms. The bracket arm shall be secured to the poles as specified in the manufacturer's recommendations. Each bracket arm shall be perpendicular to the travel lane of roadway, unless otherwise specified.

808.04 MEASUREMENT AND PAYMENT. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

808.04.01 Lighting Structures will be measured and paid for at the Contract unit price per each pole height, bracket arm length and material type.

808.04.02 Concrete Foundation will be measured and paid for as specified in Section 801.

808.04.03 Breakaway Base Support Systems, when specified in the Contract Documents, will be measured and paid for as specified in Section 821.

808.04.04 Bracket arms for signal structures or wood poles will be measured and paid for at the Contract unit price per each for the pertinent Bracket Arm item.

SECTION 809 — TRENCHING AND BACKFILLING

809.01 DESCRIPTION. This work shall consist of excavating and backfilling trenches to the width required to receive underground conduit, wire, or duct cable for traffic control devices as specified in the Contract Documents or as directed by the Engineer.

809.02 MATERIALS.

Backfill	950.05
Conduit Detection Tape	950.11

809.03 CONSTRUCTION. Trenches shall be excavated to the dimensions and lines specified and shall conform to Section 402.

In areas where conduit is trenched, a detector tape shall be placed in the trench at a depth of 6 in. below the finished grade. The color of the